

8/29/04

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
1	20020903	8	Display device having intergrated operating means	US 6445368 B1	345/76	345/205; 345/90
2	20020625	13	Active matrix liquid crystal display devices	US 6411272 B1	345/87	257/350; 257/59; 345/100; 345/206; 345/92; 345/93; 345/94; 345/96; 349/151; 349/152; 349/43; 349/47; 349/49
3	20020416	10	Active matrix electroluminescent display devices	US 6373454 B1	345/76	315/169.3; 345/205; 345/82
4	20020319	9	Active matrix electroluminescent display devices	US 6359605 B1	345/76	327/108; 345/206; 345/80
5	20011225	8	Liquid crystal display device having integrated operating means	US 63333737 B1	345/205	345/90
6	20010821	27	Liquid crystal display apparatus	US 6278426 B1	345/87	345/205; 345/90; 345/97
7	20010424	18	VLSI visual display	US 6222508 B1	345/8	345/2.1; 345/205; 345/87; 348/51; 348/52; 348/53; 348/54
8	20001205	8	Digitally driven gray scale operation of active matrix OLED displays	US 6157356 A	345/82	345/205; 345/206; 345/691

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
9	19991102	27	Liquid crystal display device	US 5977940 A	345/94	345/205; 345/90; 345/92
10	19990831	12	Display device and method of inspecting same	US 5945984 A	345/206	
11	19990817	12	Liquid crystal displays with row-selective transmittance compensation and methods of operation thereof	US 5940055 A	345/87	345/205; 345/90; 345/92
12	19990202	18	VLSI visual display	US 5867134 A	345/8	345/205; 345/7; 345/9; 348/51; 348/52; 348/53
13	19980922	27	Liquid crystal device with unit cell pitch twice the picture element pitch	US 5811837 A	257/72	257/E21.703; 257/E23.016; 257/E27.111; 345/205
14	19971202	19	Flat panel display with edge contacting image area and method of manufacture thereof	US 5694155 A	345/206	345/204; 345/205
15	19931005	36	Active matrix panel having display and driver TFT's on the same substrate	US 5250931 A	345/206	257/E21.703; 257/E23.016; 257/E27.111; 345/92; 345/98; 349/151; 349/42; 349/5
16	19920107	21	Modular flat-screen television displays and modules and circuit drives therefor	US 5079636 A	348/383	345/205; 345/55; 345/903; 348/791; 348/802

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
17	19911126	21	Modular flat-screen television displays and modules and circuit drives therefor	US 5068740 A	348/383	345/206; 345/903; 348/803
18	19911119	21	Modular flat-screen television displays and modules and circuit drives therefor	US 5067021 A	348/383	345/206; 345/903; 348/803
19	19910101	21	Modular flat-screen color television displays and modules and circuit drives therefor	US 4982275 A	348/383	345/205; 345/55; 348/791; 348/803
20	19910101	21	Modular flat-screen color television displays and modules and circuit drives therefor	US 4982273 A	348/383	345/205; 345/55; 348/791; 348/803
21	19910101	21	Modular flat-screen color television displays and modules and circuit drives therefor	US 4982272 A	348/383	345/205; 345/55; 348/791; 348/803
22	19901225	21	Modular flat-screen television displays and modules and circuit drives therefor	US 4980775 A	348/383	345/205; 345/87; 348/803
23	19901225	21	Modular flat-screen television displays and modules and circuit drives therefor	US 4980774 A	348/383	345/205; 345/55; 348/803
24	19890926	8	AC activated liquid crystal display cell employing dual switching devices	US 4870396 A	345/90	345/206; 345/208; 345/92; 349/48
25	19890404	13	Electro-optical display screen with control transistors	US 4818991 A	345/90	345/205; 345/208; 345/92

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
26	19840131	9	Liquid crystal display system	US 4429305 A	345/90	345/206; 345/208; 345/92
27	19801216	13	Compact liquid crystal display system	US 4239346 A	349/44	345/205; 345/87; 349/113; 349/162; 349/39; 349/47
28	19780912	6	Display panel with simplified thin film interconnect system	US 4114070 A	315/169.2	313/505; 315/169.3; 345/206
29	19780829	8	Thin-film analog video scan and driver circuit for solid state displays	US 4110662 A	345/206	348/800
30	19780725	11	Light-insensitive matrix addressed liquid crystal display system	US 4103297 A	345/90	257/659; 345/206; 349/43; 349/47
31	19770816	6	Flat panel display device with integral thin film transistor control system	US 4042854 A	313/505	313/509; 315/51; 345/205; 345/76
32	19750121	10	LIQUID CRYSTAL DISPLAY SYSTEM WITH INTEGRATED SIGNAL STORAGE CIRCUITRY	US 3862360 A	348/792	257/296; 257/379; 257/390; 345/205; 345/90; 349/113; 349/140; 349/38; 349/47

	Issue Date	Pages	Title	Document ID	Current OR	Current XRef
33	19710216	5	INTEGRATED DISPLAY PANEL UTILIZING FIELD-EFFECT TRANSISTORS	US 3564135 A	348/800	257/379; 257/88; 257/E27.07; 315/169.1; 327/566; 345/205; 345/77; 349/143; 349/48

	Type	L #	Hits	Search Text	DBs
1	BRS	L1	698	345/92.cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
2	BRS	L2	310	345/90.cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
3	BRS	L3	1418	(345/94-96).cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
4	BRS	L4	820	(345/100).cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
5	BRS	L5	1054	(345/98).cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
6	BRS	L6	383	(345/205-206).cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
7	BRS	L7	19995	circuit\$3 and (voltage adj signals)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
8	BRS	L8	104	positive adj voltage adj signals	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
9	BRS	L9	144	negative adj voltage adj signals	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
10	BRS	L10	28	8 and 9	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
11	BRS	L11	8394	(positive and negative) and (voltage adj signals)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
12	BRS	L12	3736	1 or 2 or 3 or 4 or 5 or 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB

	Type	L #	Hits	Search Text	DBs
13	BRS	L13	125	11 and 12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
14	BRS	L14	1	10 and 12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
15	BRS	L15	294581	liquid adj crystal	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
16	BRS	L16	22777	predetermined adj rate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
17	BRS	L17	16364	liquid adj crystal adj material	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
18	BRS	L18	33	16 and 17	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
19	BRS	L19	0	storage adj means	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
20	BRS	L20	6605	storage adj capacitors	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
21	BRS	L21	45	LCD and (francis near nguyen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
22	BRS	L22	33	6 and 20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB

	Type	L #	Hits	Search Text	DBs
1	BRS	L1	698	345/92.cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
2	BRS	L2	310	345/90.cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
3	BRS	L3	1418	(345/94-96).cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
4	BRS	L4	820	(345/100).cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
5	BRS	L5	1054	(345/98).cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
6	BRS	L6	383	(345/205-206).cc1s.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
7	BRS	L7	19995	circuit\$3 and (voltage adj signals)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
8	BRS	L8	104	positive adj voltage adj signals	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
9	BRS	L9	144	negative adj voltage adj signals	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
10	BRS	L10	28	8 and 9	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
11	BRS	L11	8394	(positive and negative) and (voltage adj signals)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
12	BRS	L12	3736	1 or 2 or 3 or 4 or 5 or 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB

	Type	L #	Hits	Search Text	DBS
13	BRS	L13	125	11 and 12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
14	BRS	L14	1	10 and 12	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
15	BRS	L15	294581	liquid adj crystal	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
16	BRS	L16	22777	predetermined adj rate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
17	BRS	L17	16364	liquid adj crystal adj material	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
18	BRS	L18	33	16 and 17	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
19	BRS	L19	0	storage adj means	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
20	BRS	L20	6605	storage adj capacitors	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
21	BRS	L21	45	LCD and (francis near nguyen)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
22	BRS	L22	33	6 and 20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
23	BRS	L23	27062	integrated adj circuit adj chip	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB
24	BRS	L24	5582	modulat\$4 and (voltage adj signals)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB

	Type	L #	Hits	Search Text	DBs
25	BRS	L25	164	23 and 24	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
26	BRS	L26	1	20 and 25	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
27	BRS	L27	33	6 and 20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Issue Date	Pages	Title	Document ID	Current OR
1	20020425	11	Gas-discharge lamp including a fault protection circuit	US 20020047629 A1	315/291
2	20020328	41	Liquid crystal display drive method	US 20020036607 A1	345/87
3	20030527	11	Gas-discharge lamp including a fault protection circuit	US 6570334 B2	315/119
4	20010403	15	Recording apparatus	US 6211900 B1	347/256
5	19990622	12	Low power high efficiency power supply	US 5914870 A	363/84
6	19981110	33	Tissue examination	US 5833634 A	600/587
7	19970701	28	Microparticle switching devices for use in implantable reservoirs	US 5643247 A	604/891.1
8	19960917	22	Non-volatile semiconductor memory device	US 5557572 A	365/189.07
9	19960521	24	Video display and driver apparatus and method	US 5519414 A	345/208
10	19940719	9	Vibration monolithic gyroscope	US 5329815 A	73/504.12
11	19940524	20	Integrated monolithic gyroscopes/accelerometers with logic circuits	US 5313835 A	73/514.15
12	19931102	7	High resolution charge-redistribution A/D converter	US 5258761 A	341/172
13	19921208	10	Superconducting push-pull flux quantum digital logic circuits	US 5170080 A	326/3
14	19920414	6	Method and electrical measuring apparatus for analyzing the impedance of the source of an actual alternating voltage	US 5105181 A	340/657
15	19910507	7	CMOS level detector circuit	US 5013935 A	327/78

	Issue Date	Pages	Title	Document ID	Current OR
16	19881108	38	Fiber optic coupling system	US 4783137 A	385/53
17	19880809	14	Automatic focusing system with correlation-determined disabling	US 4762987 A	250/201.8
18	19880531	16	Focus detection device with wavefront aberration correction	US 4748321 A	250/201.9
19	19850709	11	Apparatus useful for rapidly determining the molecular weight of a flowing gaseous material	US 4527417 A	73/25.01
20	19850625	11	Circuit for converting a logical signal into two balanced logical signals	US 4525836 A	370/362
21	19820608	12	Priority determining network having user arbitration circuits coupled to a multi-line bus	US 4334288 A	710/121
22	19790626	10	Method and apparatus for controlling parison dimensions	US 4159293 A	264/412
23	19790227	8	Method and apparatus for controlling the approach angle of a plow unit in response to speed variations	US 4141419 A	172/1
24	19760914	10	Gamma camera display system	US 3980886 A	250/369
25	19760615	8	Fluid leak detection process and installation	US 3962905 A	73/40.5R

	Issue Date	Pages	Title	Document ID	Current OR
26	19710302	4	FIELD EFFECT TRANSISTOR LOGIC GATE	US 3567963 A	326/95
27	19940812	5	COORDINATE INPUTTING DEVICE Touch-sensitive electronic switch - uses touch pad radioactively coupled to aerial to respond only to minute stimulated nerve cell currents	JP 06222872 A	
28	19851205	1		EP 183742 B	

SEARCH 08/993,104

(FILE 'USPAT' ENTERED AT 07:56:54 ON 20 JUL 1999)

L1 92 S 345/90/CCLST  
L2 166 S 345/92/CCLST  
L3 314 S 345/94/CCLST  
L4 120 S 345/96/CCLST  
L5 267 S 345/100/CCLST  
L6 185 S 345/205-206/CCLST  
L7 148 S 345/212/CCLST  
L8 1094 S L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7  
L9 34581 S LCD OR LIQUID CRYSTAL DISPLAY  
L10 58916 S "D/A CONVERTER" OR DIGITAL-TO-ANALOG CONVERTER  
L11 9484 S STORAGE CAPACITOR?  
L12 354 S VOLTAGE MODULATION  
L13 28573 S DIFFERENTIAL AMPLIFIER  
L14 143041 S INTEGRATED CIRCUIT OR IC  
L15 4502 S L10 AND L13  
L16 2 S L12 AND L15  
L17 578 S FIRST DRIV? CIRCUIT AND SECOND DRIV? CIRCUIT  
L18 14 S L8 AND L17

=> display ti,ccls l18 1-14

US PAT NO: 5,900,856 [IMAGE AVAILABLE] L18: 1 of 14

TITLE: Matrix display apparatus, matrix display control apparatus, and matrix display drive apparatus

US-CL-CURRENT: 345/100

US PAT NO: 5,898,417 [IMAGE AVAILABLE] L18: 2 of 14

TITLE: Display apparatus and driving circuit

US-CL-CURRENT: 345/103, 94, 208

US PAT NO: 5,870,075 [IMAGE AVAILABLE] L18: 3 of 14

TITLE: LCD display with divided pixel electrodes connected separately with respective transistors in one pixel and method of driving which uses detection of movement in video

US-CL-CURRENT: 345/149, 92; 349/144

US PAT NO: 5,847,783 [IMAGE AVAILABLE] L18: 4 of 14

TITLE: LCD with electroluminescent panel drive circuitry mounted to oppose LCD drive circuitry

US-CL-CURRENT: 349/69; 345/80, 102, 205; 349/149, 151

US PAT NO: 5,841,414 [IMAGE AVAILABLE] L18: 5 of 14

TITLE: Liquid crystal display device

US-CL-CURRENT: 345/87, 206

US PAT NO: 5,734,366 [IMAGE AVAILABLE] L18: 6 of 14

TITLE: Signal amplifier, signal amplifier circuit, signal line drive circuit and image display device

US-CL-CURRENT: 345/100, 98

US PAT NO: 5,654,733 [IMAGE AVAILABLE] L18: 7 of 14

TITLE: Liquid crystal electrooptical device

US-CL-CURRENT: 345/96, 209

US PAT NO: 5,583, [IMAGE AVAILABLE] L18: 8 of 14  
TITLE: Active matrix liquid crystal display for reproducing  
images on screen with floating image signal  
US-CL-CURRENT: 345/89, 94

US PAT NO: 5,475,397 [IMAGE AVAILABLE] L18: 9 of 14  
TITLE: Method and apparatus for reducing discontinuities in an  
active addressing display system  
US-CL-CURRENT: 345/95, 100, 208

US PAT NO: 5,436,635 [IMAGE AVAILABLE] L18: 10 of 14  
TITLE: Display device and display system using the same  
US-CL-CURRENT: 345/92, 90, 96, 98

US PAT NO: 5,387,922 [IMAGE AVAILABLE] L18: 11 of 14  
TITLE: Apparatus for driving an LCD module with one driving  
circuit  
US-CL-CURRENT: 345/103, 100

US PAT NO: 4,838,654 [IMAGE AVAILABLE] L18: 12 of 14  
TITLE: Liquid crystal display device having display and driver  
sections on a single board  
US-CL-CURRENT: 349/45; 345/87, 206; 349/84, 138

US PAT NO: 4,196,432 [IMAGE AVAILABLE] L18: 13 of 14  
TITLE: AC driving mode and circuit for an electro-optical display  
US-CL-CURRENT: 345/96, 209

US PAT NO: 3,911,421 [IMAGE AVAILABLE] L18: 14 of 14  
TITLE: Selection system for matrix displays requiring AC drive  
waveforms  
US-CL-CURRENT: 345/94; 340/825.81; 345/100, 208

SEARCH 08/993,104

(FILE 'USPAT' ENTERED AT 17:18:48 ON 26 JUL 1999)

L1           94 S 345/90/CCLST  
L2           167 S 345/92/CCLST  
L3           316 S 345/94/CCLST  
L4           120 S 345/96/CCLST  
L5            0 S 345/98/CLST  
L6           294 S 345/98/CCLST  
L7           268 S 345/100/CCLST  
L8           185 S 345/205-206/CCLST  
L9        38546 S PIXEL OR PIXEL CELL  
L10       2956 S DISPLAY (2A) CELL  
L11       9484 S STORAGE CAPACITOR?  
L12      143041 S INTEGRATED CIRCUIT OR IC  
L13       148 S 345/212/CCLST  
L14       118 S 345/95/CCLST  
L15       4106 S LIQUID CRYSTAL CELL  
L16       34581 S LIQUID CRYSTAL DISPLAY OR LCD  
L17       4262 S ACTIVE MATRIX  
L18      22225 S SWITCHING ELEMENT OR SWITCHING TRANSISTOR  
L19       386 S L15 AND L16 AND L18  
L20       44 S L11 AND L19  
L21       8017 S DC BIAS  
L22       333 S AC DRIVING  
L23       32 S L21 AND L22  
L24        0 S L20 AND L23